MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

October 1948

ROBERT W. SLOANE, DIRECTOR

Printed at the American Press
Beirut, Lebanon

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WEATHER BUREAU

OCTOBER 1948

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. + ...				Thermometer Degrees Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	60.1	59.6	60.1	59.9	28.4	20.7	25.5	26.9	23.3	25.2
2	1.2	60.7	1.0	61.0	27.9	20.4	24.9	25.6	22.8	24.4
3	0.0	58.6	59.3	59.3	28.0	21.6	24.9	27.1	23.7	25.2
4	59.1	7.4	8.7	8.4	28.0	21.9	24.9	27.4	23.1	25.1
5	8.7	9.2	61.0	9.6	28.3	21.1	25.6	27.9	22.9	25.5
6	62.5	62.3	62.9	62.6	27.2	20.5	24.4	26.1	22.4	24.3
7	3.0	1.4	0.8	1.7	27.5	22.1	24.9	26.7	24.2	25.3
8	0.2	59.1	59.0	59.4	29.4	22.6	26.4	28.3	23.9	26.2
9	59.7	8.4	9.2	9.1	28.9	23.0	26.2	28.2	24.6	26.3
10	8.9	8.0	8.7	8.5	27.5	21.3	25.7	27.0	23.6	25.4
11	58.2	56.9	56.9	57.3	27.6	19.7	22.8	26.4	23.3	24.1
12	7.1	9.2	63.4	9.6	24.1	17.7	23.3	22.8	18.8	21.6
13	65.9	65.9	6.6	66.1	21.0	13.9	19.4	19.9	17.2	18.8
14	7.5	6.3	6.8	6.9	22.0	15.8	19.3	21.6	17.2	19.4
15	5.8	4.8	5.7	5.4	29.3	17.7	20.7	22.3	20.5	21.2
16	66.7	65.2	65.3	65.7	25.2	18.8	22.1	24.6	22.2	23.0
17	5.2	3.8	4.3	4.4	26.9	19.7	23.3	26.1	22.0	23.8
18	3.8	2.5	2.8	3.0	26.6	20.1	24.0	26.1	22.1	24.1
19	3.6	3.0	4.0	3.5	26.8	20.0	24.1	25.9	22.2	24.1
20	4.1	3.1	2.8	3.3	26.4	21.4	23.8	25.1	23.0	24.0
21	62.6	61.4	61.4	61.8	27.0	20.8	24.3	25.7	22.2	24.1
22	1.6	0.3	0.2	0.7	26.7	19.9	24.3	25.5	21.6	23.8
23	0.5	59.5	59.6	59.9	25.8	19.1	23.1	25.5	21.3	23.3
24	0.1	9.5	60.8	60.1	25.5	20.1	22.5	24.6	21.1	22.7
25	2.5	62.6	3.4	2.8	25.4	20.5	22.9	24.3	22.2	23.1
26	64.0	62.4	62.0	62.8	26.0	20.5	23.2	24.9	22.7	23.6
27	1.8	1.2	2.1	1.7	26.9	19.6	23.6	25.5	21.5	23.5
28	2.0	1.4	1.4	1.6	25.2	19.4	22.4	24.4	21.6	22.8
29	1.4	0.8	1.2	1.1	25.0	19.6	22.8	23.8	22.2	22.9
30	1.8	1.4	1.4	1.5	26.1	19.6	22.7	23.9	23.3	23.3
31	2.2	1.5	2.0	1.9	28.3	21.3	25.8	26.7	22.8	25.1
	61.99	61.23	61.76	61.63	26.43	20.01	23.67	25.38	22.11	23.72

Barometer, range for month 767.5 — 756.9 mm.
,, 71-yr. average for month 761.31 mm.
Thermometer, range for month 29.4°C — 13.9°C
,, 71-yr. average for month 24.51°C.
Rain, total for month 9.05 mm.
,, 71-yrs. average for month 50.02 mm.
,, Tolal, Sept. 1st. to end of month 35.46 mm.
,, 71-yr. average, Sept. 1st. to end of month 56.21 mm.

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METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				Sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	25.5	26.0	23.3	24.9	78	75	80	78	5.2	288.0	
2	23.3	22.3	22.5	22.7	72	66	79	72	9.5	185.0	
3	21.9	26.4	24.1	24.1	69	71	80	73	9.0	169.0	
4	24.6	27.6	25.6	25.9	77	71	89	79	9.2	188.0	
5	26.9	25.1	22.0	24.7	81	67	79	76	9.3	261.0	
6	19.8	23.7	23.1	22.2	65	70	86	74	9.5	286.0	
7	23.9	27.0	28.0	26.3	75	78	93	82	9.5	521.0	
8	28.2	29.8	28.2	28.7	79	71	94	81	8.9	151.0	
9	30.3	31.8	27.5	29.9	86	82	90	86	9.1	190.0	
10	28.3	27.7	23.9	26.6	86	76	83	82	7.3	372.0	1.27
11	25.0	26.9	24.1	25.3	90	79	84	84	5.8	837.0	
12	23.3	18.4	15.0	18.9	80	67	69	72	4.1	1073.0	7.78
13	17.3	15.2	14.0	15.5	73	65	71	70	9.3	726.0	
14	14.6	16.1	14.4	15.0	64	62	73	66	9.6	245.0	
15	15.3	18.6	18.9	17.6	64	69	78	70	9.5	399.0	
16	19.2	20.5	20.1	19.9	71	67	75	71	9.4	229.0	
17	19.5	24.0	24.8	22.8	68	70	92	77	9.1	293.0	
18	22.2	24.4	24.8	23.8	76	72	93	80	8.8	71.0	
19	25.5	28.2	26.3	26.7	85	83	98	89	8.7	188.0	
20	21.5	26.9	27.7	25.4	71	85	99	85	8.5	626.0	
21	22.4	32.0	26.8	27.1	72	98	100	90	8.2	415.0	
22	23.7	31.2	25.3	26.8	78	94	98	90	9.3	206.0	
23	24.6	28.3	23.4	25.4	86	86	93	88	9.8	196.0	
24	23.7	28.5	25.1	25.8	86	83	100	93	9.9	153.0	
25	23.1	26.8	26.5	25.5	84	87	99	90	9.7	523.0	
26	24.6	27.8	24.1	25.5	87	87	86	87	9.7	150.0	
27	25.9	26.9	24.7	25.8	89	82	98	90	9.7	132.0	
28	24.2	26.8	24.6	25.2	90	87	94	90	9.7	291.0	
29	21.8	27.8	25.5	25.0	79	92	95	89	8.7	356.0	
30	22.4	27.9	28.7	26.3	80	93	100	91	8.4	106.0	
31	23.5	29.6	22.4	25.2	70	86	80	79	8.9	76.0	
	23.09	25.81	23.72	24.21	77.8	78.4	87.7	81.4	8.75	321.71	0.29

Height of Barometer above sea level: 33.7 meters.
,, ,, Thermometers above ground:
Dry and wet 1.55 m.; Max. 1.75 m.; Min. 1.70 m.
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
Time of reading minus 2 hours equal G.C.T.
71year averages are for period, 1875-1945

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METEOROLOGICAL REGISTER

Date	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	7cu-ni	5cu	1cu	4.3	1sw	2nw	1sw	slight	Tr. a.m.
2	2cu	6cust	2ci	3.3	1sw	1nw	0	„	
3	1cu	3cu	3cu	2.3	1sw	1w	0	light	
4	5cu	2ci	0	2.3	0	2ne	0	slight	
5	0	5cu	0	1.7	1sw	2nw	0	light	
6	4cu	1cu	1cu	2.0	1sw	1n	1n	light	
7	0	0	0	0.0	2ne	2ne	1n	slight	
8	0	0	0	0.0	1sw	1sw	1sw	light	
9	4cu	2cu	8cu-st	4.7	1s	1nw	0	„	
10	1cu	1cu	6cu	2.7	1sw	2w	1sw	slight	
11	9cu-ni	5cu	8cu-ni	7.3	2w	3sw	3sw	slight	Tr. a.m.
12	5cu	5cu	5cu	5.0	4sw	5sw	2nw	rough	W.
13	6cu	2cu	2cu	3.3	5ne	3ne	5ne	„	W.
14	0	0	0	0.0	1sw	1w	0	light	
15	0	1ci	0	0.3	1s	2ne	2ne	slight	
16	0	1ci	0	0.3	0	1n	1ne	light	
17	0	0	0	0.0	1s	2ne	1ne	„	
18	2ci	0	0	0.7	0	1n	0	calm	
19	0	0	0	0.0	1sw	1ne	1n	„	
20	0	0	0	0.0	0	2n	2ne	slight	
21	0	0	0	0.0	1n	2ne	0	slight	
22	0	0	0	0.0	1n	1ne	0	light	
23	0	0	0	0.0	1sw	1sw	1sw	calm	
24	1cu	0	0	0.3	0	1nw	0	„	
25	0	0	0	0.0	1ne	2n	1n	slight	
26	0	0	0	0.0	1ne	1ne	0	light	
27	0	0	0	0.0	0	1sw	0	„	
28	0	0	0	0.0	1ne	1n	1n	„	
29	0	0	0	0.0	0	2ne	1ne	„	
30	1ci	1ci	0	0.7	0	1n	1n	„	
31	0	1cu	0	0.3	0	0	0	calm	
				1.34					

* Abbreviations :— G = gale; H = haze; M = mist ; T = thunderstorm ; D = dew.
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	2	5	0	0	3	11	1	0	9	31
14:30	7	10	0	0	0	5	3	5	1	31
20:30	6	6	0	0	0	5	0	1	13	31
Total	15	21	0	0	3	21	4	6	23	93

Number of days with rain 2, fog 0, thunderstorms 0, gale 0.

71 yr. av. number of days with rain during month 3.84